

## Enterprise Switch

### SMC8612T2

**TigerSwitch™ 10/100/1000 12-Port Gigabit Managed Switch with 4 mini-GBIC ports**

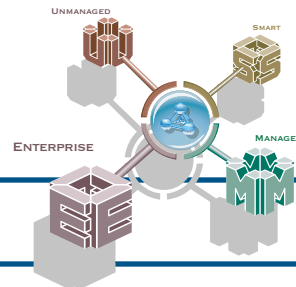


## OVERVIEW

SMC Networks™ TigerSwitch™ 10/100/1000 (SMC8612T2) is a Layer 2 Standalone managed switch capable of providing gigabit connections to workgroups in a 1U chassis. The SMC8612T2 delivers 12 ports of 10/100/1000 copper gigabit (including 4 combo SFP ports) with a total of 24Gbps wirespeed bandwidth which enables better performance and throughput for small workgroups or server aggregation. The SFP slots provide the capability to add 1 gigabit fiber modules for longer distance connections. The TigerSwitch 10/100/1000 is designed to provide industry standard features and management for increasing productivity, including seamless configuration through an easy-to-use Web Interface, Telnet, and SNMP.

In addition to simplified management a full set of layer 2 features such as; LACP for increased bandwidth and port trunking, Spanning Tree for failover protection (including 802.1s), QoS available with 8 queues, VLAN support for segmenting your network, and bandwidth management per port depending on your network needs. The TigerSwitch™ 10/100/1000 is able to deliver the necessary bandwidth and security to the edge of the network, capable of supporting even the toughest applications.

FEATURES	BENEFITS
Full wire-speed non-blocking switching performance	Supports up to 12 auto-MDIX 10/100/1000 ports with 4 associated mini-GBIC slots for optional gigabit fiber plug-in
QoS	Support eight levels of priority, with weighted fair queuing and L2/3/4 IP precedence--ensures smooth transmission of mission critical data
VLAN with GVRP and 802.1v	Support VLANs based on frame tags or ports, plus support for automatic GVRP LAN registration spanning tree per VLAN--provides maximum security and bandwidth efficiency
IGMP Snooping	Only allows IP Multicast traffic transmission to the registered members, resulting bandwidth savings--reduce IP multicast traffic and increase LAN performance
MultiLink Trunking with LACP	Can group links between switches to provide higher bandwidth of up to 16Gbps
Comprehensive security support	Currently supports RADIUS, IEEE802.1x, SSH, SSL,TACACS+, ACL
Redundant Power Supply	Provides backup power in case of power failure



## TECHNICAL SPECIFICATIONS

## SMC8612T2

### PORTS

- 12 10/100/1000BASE-T ports
- 4 Combo SFP ports

### NETWORK INTERFACE

- 10/100/1000 BASE-T ports
- Multimode fiber cable; 62.5/125 or 50/125 microns
- Singlemode fiber cable; 9/125 micron

### SWITCHING FABRIC

- 24Gbps
- 17.8Mpps
- Store and Forward

### BUFFER ARCHITECTURE

- 1Mbytes

### SWITCHING DATABASE

- 16K MAC address entries

### LED

- System: Power, RPU, Diag
- Power: Link/Activity, FDX

### WEIGHT

- 3kg (6.61 lbs)

### DIMENSIONS

- 44.0 x 35.4 x 4.3 cm (17.37 x 13.9 x 1.7 in.)

### TEMPERATURE

- Operating: 0 to 50 °C (32 to 122 °F)
- Storage: -40 to 70 °C (-40 to 158 °F)

### HUMIDITY

- Operating: 10% to 95% (non-condensing)

### AC INPUT

- 100 to 240 V, 50-60 Hz, 1.5A

### POWER SUPPLY

- Internal, auto-ranging transformer: 90 to 260 VAC, 47 to 63 Hz
- External, supports connection for redundant DC power supply

### POWER CONSUMPTION

- 48 Watts maximum

### MAXIMUM CURRENT

- 0.39 A @ 115 VAC
- 0.21 A @ 230 VAC

### MTBF

- 8 Years

### SWITCH FEATURES

- Port Mirroring
- IEEE 802.1x
- L2/L3/L4 access control lists
- TACACS+ client authentication
- HTTPS and SSL
- SSH for Telnet sessions
- Static port security
- Jumbo Frame support
- Dual firmware images
- Multiple configuration files support
- Spanning Tree Protocol (802.1D, .1w, .1s)

### VLAN SUPPORT

- Up to 256 groups; port-based or with 802.1Q
- VLAN tagging, GVRP for automatic VLAN learning
- 802.1v (Protocol based Vlans)
- Private vlan support

### QUALITY OF SERVICE

- Supports 8 levels of priority with flexible classification and prioritization
- Per port bandwidth management

### MULTILINK TRUNKING (LACP)

- 6 groups of up to 8 ports

### MANAGEMENT FEATURES

- In-Band Management
- Telnet, SLIP, Web-based HTTP, or SNMP manager
- Out-of-Band Management
- RS-232 DB-9 console port
- Software Loading
- TFTP in-band or Xmodem out-of-band MIB Support
- MIB II (RFC 1213), Bridging MIB (RFC 1493), Ethernet-Like MIB (RFC 2665), Bridge MIB Extensions (RFC 2764), RMON MIB (RFC 1757), RFC 2737, RFC 2742, RFC 2021, RFC 2863, RFC 2618, SMC's private MIB

### RMON SUPPORT

- Groups 1,2,3, 9 (Statistics, History, Alarm, Event)

### STANDARDS

- IEEE802.3 Ethernet, IEEE802.3u Fast Ethernet,
- IEEE802.1D Spanning Tree Protocol and traffic priorities,
- IEEE802.1p Priority tags
- IEEE802.1Q VLAN
- IEEE802.1ac VLAN tagging
- IEEE802.1ad Link aggregation control protocol
- IEEE802.1w Rapid Spanning Tree
- IEEE802.1v Protocol Based Vlans
- IEEE802.1s Multiple Spanning Tree

### COMPLIANCES

- CE Mark
- Emissions FCC Class A
- Industry Canada Class A
- EN55022 (CISPR 22) Class A
- EN 61000-3-2/3
- VCCI Class A
- C-Tick - AS/NZS 3548 (1995) Class A

### IMMUNITY

- EN 61000-4-2/3/4/5/6/8/11

### SAFETY

- CSA/C US (CSA 22.2.60950-1 & UL 60950-1)
- EN60950 (TÜV/GS)
- IEC60950-1 (CB report)

### WARRANTY

- Limited lifetime

### SUPPORTED MODULES

#### SLIDE-IN TRANSCEIVERS FOR COMBO PORTS

##### SMCBGSLCX1

- 1G SX SFP Transceiver, 550M, Multimode fiber

##### SMCBGLLCX1

- 1G LX SFP Transceiver, 10Km, Singlemode fiber

##### SMCBGZLCX1

- 1G LH SFP Transceiver, 70Km Singlemode fiber

## Contact

### North America

20 Mason  
Irvine, CA 92618  
1-800-SMC-4YOU  
24/7 Technical Support

### Europe/ Africa

Fructuos Gelabert 6-8  
08970 Sant Joan Despí  
Barcelona, Spain

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